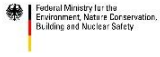


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Enhancements in education concerning dike defending

Dr. Geert Lehmann, Dipl.-Ing. Lena Lankenau



THW-National Training School



Dyke defence and flood protection at the THW-National Training School



- 'Flood Protection and Dyke Defence' for THW volunteers
- Technical consultant 'Flood Protection and Dyke Defence' for THW volunteers
- Training for members of authorities
- External participants from fire brigades and other relief organisations

'Flood Protection and Dyke Defence' for THW volunteers



- Basic principles
- 6 courses per year, 6-days course, up to 18 participants
- Group leaders → Multipliers
- Practical & theoretical training

→ aim is that participants have a good knowledge of basics of dyke defence and flood protection in theory & practice

Technical consultant 'Flood Protection and Dyke Defence' for THW volunteers



- Advanced course
 - 2 courses per year, 7-days course, up to 18 participants
 - Advising the leading operation controllers in terms of necessary and available material and equipment
 - Consulted in difficult and complex situations to find feasible solutions
-
- Course focuses on decision making, feasibility and logistics of dike defence measures
 - Real operation scenarios

Conventional dike protection systems







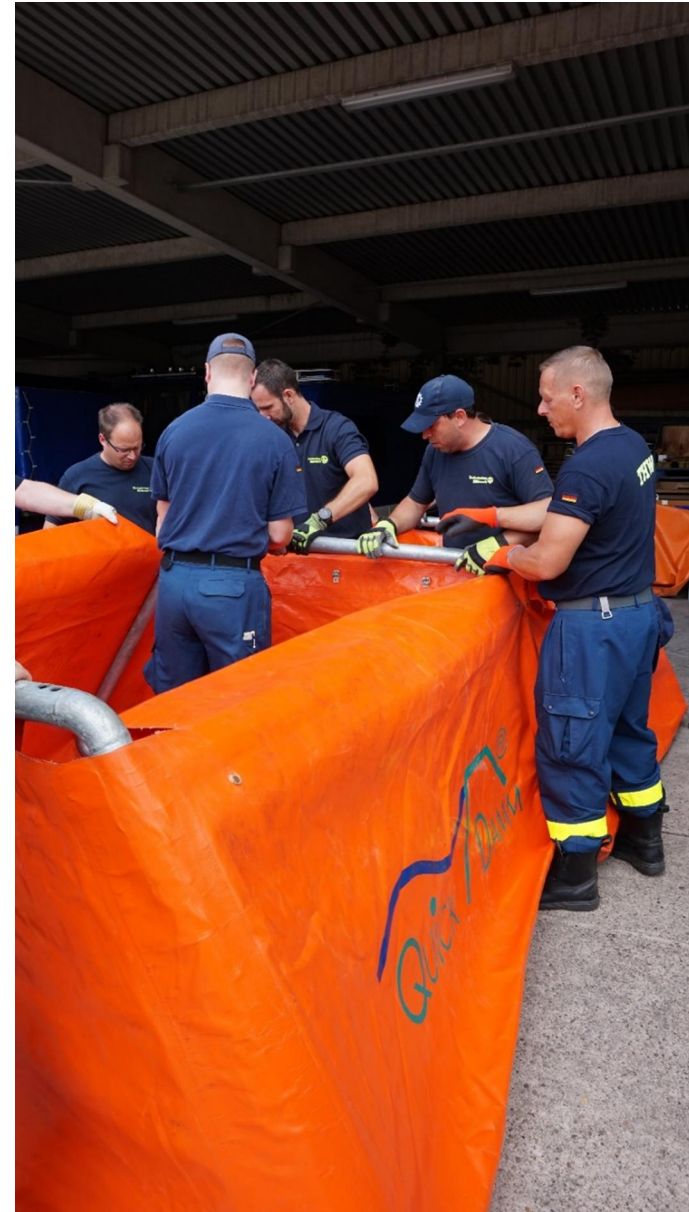






Sandbag replacement systems





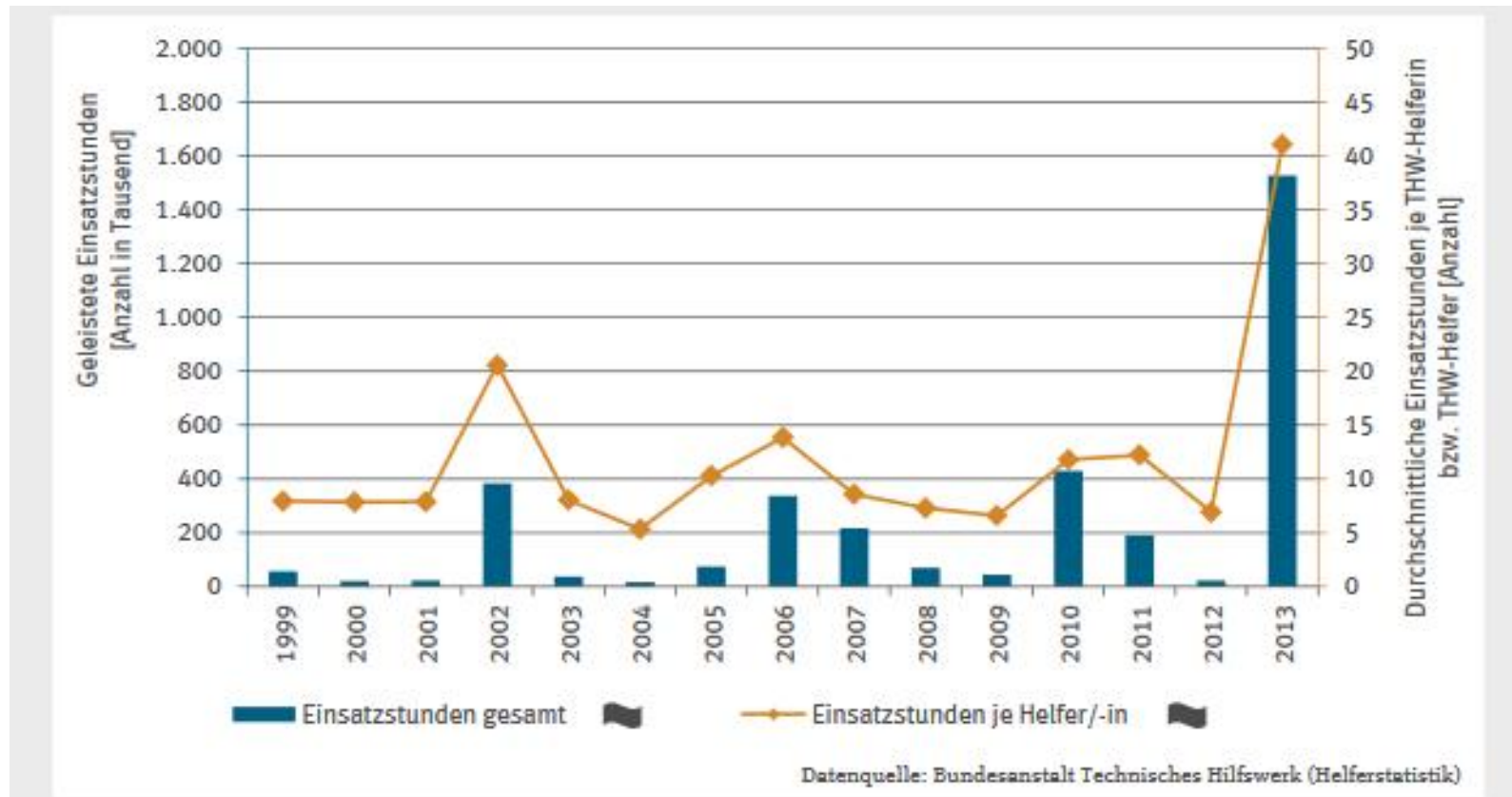


Working packages of the ongoing project 'HWS-Bildung'

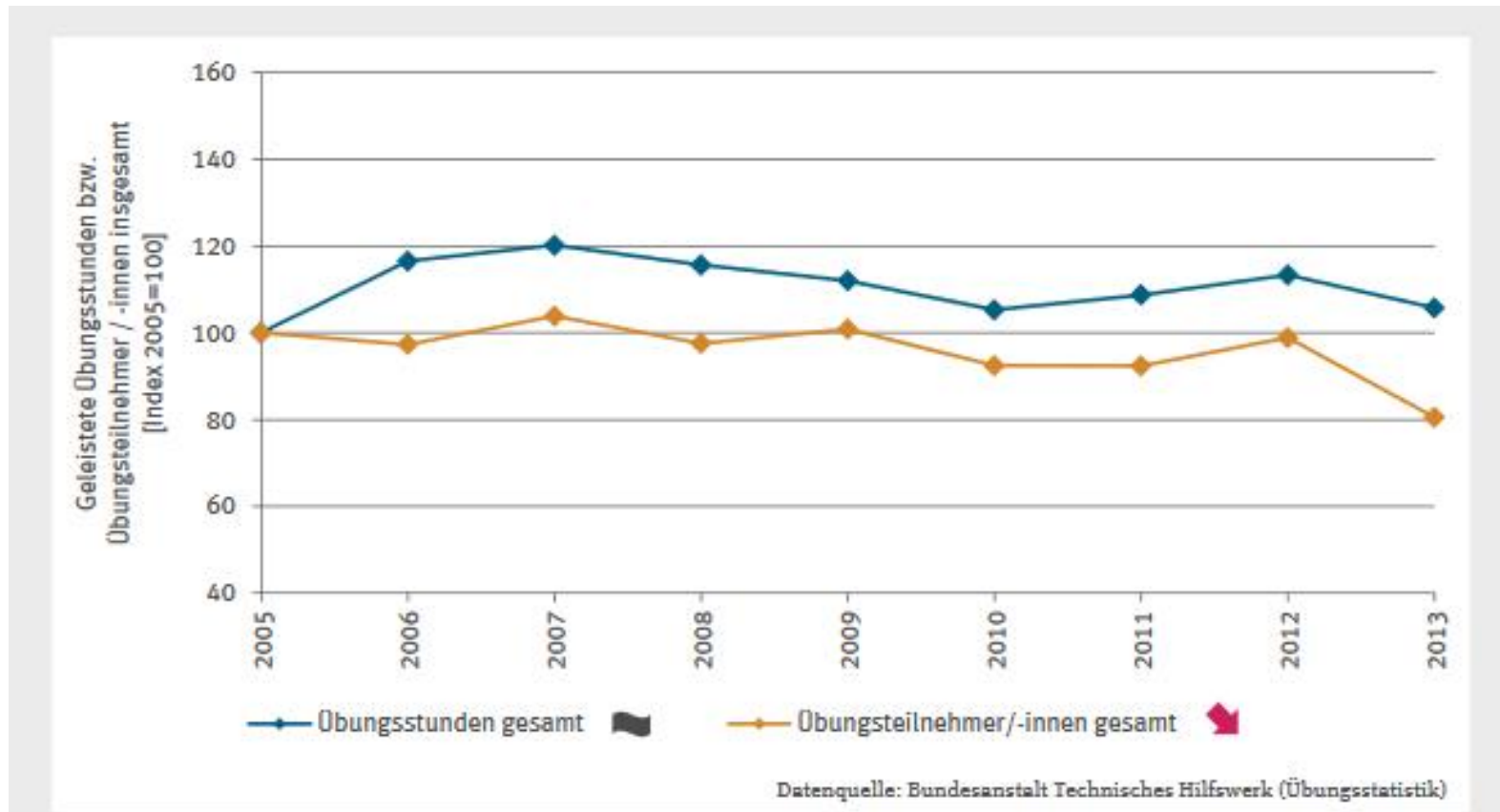
Adaptation of Dyke Defence and Flood Protection Training of the German Federal Agency for Technical Relief (THW) to the Challenges of Climate Change

- Development of a basic training concept
- Multi-media educational material related to the following subjects:
 - Scientific basics of flood events and related aspects of climate change
 - Vulnerability of flood protection systems at the occurrence of extreme events
 - Technic and logistic of operational flood protection systems involving innovative sandbag replacement systems
- Evaluation and adaptation of the material
- Compendium for dyke defence and flood protection

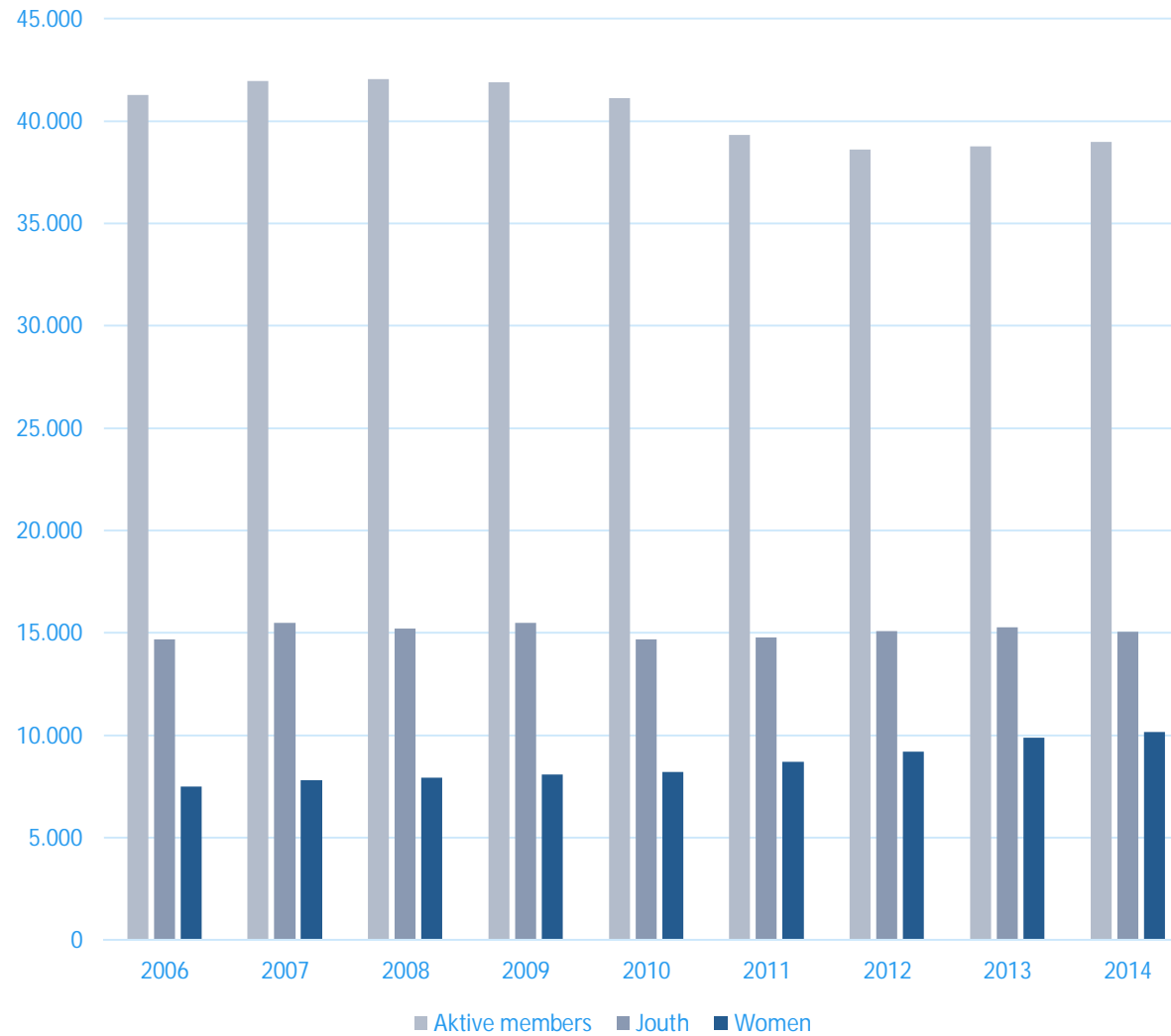
Present and future challenges



Umweltbundesamt 2015: Monitoringbericht 2015 zur Deutschen Anpassungsstrategie an den Klimawandel



Umweltbundesamt 2015: Monitoringbericht 2015 zur Deutschen Anpassungsstrategie an den Klimawandel



THW annual report 2014



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Supported by:
 Federal Ministry for the
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based on a decision of the German Bundestag